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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

04/07/2004

McDermott, Will & Emery 600 13th Street, N.W. Washington, DC 20005-3096

QUOC
PAPER NUMBER

DATE MAILED: 04/07/2004

ĺ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/691,513	10/24/2003	Hideto Hidaka	57454-979	7421

TITLE OF INVENTION: THIN FILM MAGNETIC MEMORY DEVICE FOR PROGRAMMING REQUIRED INFORMATION WITH AN ELEMENT SIMILAR TO A MEMORY CELL AND INFORMATION PROGRAMMING METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/07/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>Fa</u>	x (703) 746-4000	511111 22313 1 100	
INSTRUCTIONS: This for appropriate. All further con indicated unless corrected be maintenance fee notification	espondence including the le elow or directed otherwise	smitting the ISSU Patent, advance or in Block 1, by (a	E FEE and PU ders and notific) specifying a n	BLICATION FEE (if requation of maintenance fees vew correspondence address	ired). Blocks I through 4 s will be mailed to the current ; and/or (b) indicating a sepa	hould be completed where correspondence address as arate "FEE ADDRESS" for
	ADDRESS (Note: Legibly mark-up	with any corrections or	use Block 1)	Note: A certificate of	mailing can only be used for	or domestic mailings of the
75	90 04/07/2004			Fee(s) Transmittal. The papers. Each addition have its own certificat	mailing can only be used for nis certificate cannot be used al paper, such as an assignment of mailing or transmission.	for any other accompanying ent or formal drawing, mus
McDermott, Will	& Emery			Ce	rtificate of Mailing or Trans	smission
600 13th Street, N. Washington, DC 20				I hereby certify that the States Postal Service addressed to the Mattransmitted to the USF	his Fee(s) Transmittal is bein with sufficient postage for fir il Stop ISSUE FEE address PTO, on the date indicated bel	g deposited with the United st class mail in an envelope above, or being facsimile ow.
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED II	NVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/691,513	10/24/2003	——————————————————————————————————————	Hideto Hi	daka	57454-979	7421
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APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATÉ DUE
nonprovisional	NO	\$1330)	\$300	\$1630	07/07/2004
EXAM	INER	ART UN	IT .	CLASS-SUBCLASS]	
LE, THON	G QUOC	2818		365-171000	-	
Address form PTO/SB/12 "Fee Address" indication PTO/SB/47; Rev 03-02 of Number is required.	on (or "Fee Address" Indicar r more recent) attached. Use	ion form e of a Customer	agents OR, a firm (having agent) and the attorneys or will be printe		of a single attorney or 2	
3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGNI	an assignee is identified be I to the USPTO or is being s	ow, no assignee d submitted under se	ata will appear o parate cover. Co	• • •	ssignee data is only appropri T a substitute for filing an ass UNTRY)	ate when an assignment has ignment.
Please check the appropriate		ries (will not be pr	inted on the pate	ent); 🗖 individual 🚨	corporation or other private g	roup entity governmen
4a. The following fee(s) are	enclosed:	4b	. Payment of Fe	1,7		
☐ Issue Fee ☐ Publication Fee				ne amount of the fee(s) is en- credit card. Form PTO-2038		
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Director for Patents is reques	ted to apply the Issue Fee a	nd Publication Fee			ssue fee to the application ide	
(Authorized Signature)		(Date)				
other than the applicant; interest as shown by the rec	Publication Fee (if require registered attorney or ageords of the United States Page 1	ent; or the assigne tent and Trademar	ee or other part k Office.	y in		
This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the patent and Trademark (22313-1450. DO NOT S SEND TO: Commissioner	cion is required by 37 CFR y the public which is to fi is governed by 35 U.S.C. I es to complete, including g, in to the USPTO. Time wil the amount of time you i his burden, should be sent Office, U.S. Department END FEES OR COMPLE for Patents, Alexandria, Vir	1.311. The inform le (and by the US 22 and 37 CFR 1.) athering, preparing II vary depending require to comple to the Chief Inform of Commerce, ATED FORMS TO ginia 22313-1450.	nation is require PTO to process 14. This collectic 15, and submitting upon the indivite this form an mation Officer, clexandria, Virgo 10 THIS ADDRI	ed to (a) an on is (b) the dual dd/or U.S. ginia		

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10/691,513	10/24/2003	Hideto Hidaka	57454-979	7421		
7	590 04/07/2004	EXAM	INER			
McDermott, Will & Emery 600 13th Street, N.W. Washington, DC 20005-3096			LE, THONG QUOC			
			ART UNIT	PAPER NUMBER		
			2818			
			DATE MAILED: 04/07/2004	1		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			Air
	Application No.	Applicant(s)	
	10/691,513 Examiner	HIDAKA, HIDETO Art Unit	<u>.</u>
	Thong Q. Le	2818	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (6 herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due co	urse. THIS
1. This communication is responsive to			
2. X The allowed claim(s) is/are 10-33.			
3. X The drawings filed on 24 October 2003 are accepted by the	Examiner.		
 4.	been received. been received in Application No. 1 uments have been received in this of this communication to file a reply ENT of this application. Ited. Note the attached EXAMINER is reason(s) why the oath or declarate be submitted. On's Patent Drawing Review (PTO- Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL in the Comment of BIOLOGICAL MATERIAL in the Comment of the Comment of BIOLOGICAL MATERIAL in the Comment of the Comment of BIOLOGICAL MATERIAL in the Comment of BIOLOGICAL MATERIAL in the Comment of the Comment of BIOLOGICAL MATERIAL in the Comment of BIOLOGICAL MATERIAL in the Comment of the Comment of BIOLOGICAL MATERIAL in the BIOLOGICAL MATERIAL in the Comment of BIOLOGICAL MATERIAL in the BIOLOGICAL in	complying with the requests AMENDMENT or NO ation is deficient. 948) attached Office action of the key.	irements TICE OF
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amend 8. Examiner's Statem 9. Other	(PTO-413), te ment/Comment	,
		Thong Q. Le Primary Examiner Art Unit: 2818	

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Art Unit: 2818

DETAILED ACTION

1. Pre-amendment filed on October 24, 2003 has been entered.

- 2. Claims 1-9 have been canceled.
- 3. Claims 10-33 have been added.
- 4. Claims 10-33 are presented for examination.

Information Disclosure Statement

- This office acknowledges receipt of the following items from the Applicant:
 Information Disclosure Statement (IDS) filed on October 24, 2003.
- 6. Information disclosed and list on PTO 1449 was considered.

Priority

7. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/234,243, filed on 09/05/2002.

Reasons for Allowance

9. Claims 10-33 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 10-33 include allowable subject matter since the prior art made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Naji et al. (U.S. Patent No. 6,331,943), Perner et al. (U.S. Patent No. 6,324,093) and others, does not teach the claimed invention having a thin film

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magnetic memory device comprises a program circuit for storing information for use in at least one of data read operation and data write operation from and to the plurality of memory cells, wherein the program circuit includes a plurality of program units for storing program of the information when the program unit is in a program state.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thong Q. Le whose telephone number is 571-272-1783. The examiner can normally be reached on 8:00am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Q. Le Primary Examiner Art Unit 2818

THONG LEI
PRIMARY EXAMINES